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EXCERPTA MEDICA Sec 4 Vol 12/6 Med. Micro. June 59

1920. CONTRIBUTION TO THE STUDY OF THE EFFECT OF LIGHT ON BCG VACCINE - Contribution à l'étude de l'action de la lumière sur le vaccin B.C.G. - Botez V., Paraschivesco M. and Löbel S. - ARCH. ROUM. PATH. EXP. MICROBIOL. 1957, 16/3 (429-435) Tables 3

Experiments were performed on the effect of sunlight and diffuse daylight on suspended and lyophilized BCG vaccine to investigate the behaviour of vaccine suspensions under natural lighting conditions. When a suspension containing 40 mg./ml. and enclosed in colourless transparent glass phials is exposed for 5 hr. to direct sunlight during the summer months, a slow decrease in the number of living bacilli takes place. When the same vaccine is exposed to diffuse daylight for 7 days, this decrease agrees fully with that of vaccine kept in the dark. Only after 7-14 days does diffuse daylight become a damaging factor. When lyophilized vaccine is exposed to sunlight for hours during the summer months, or to the quartz lamp for 11 hr., or to diffuse daylight for 30 days, no decrease in the number of living bacilli takes place. (IV, 15)

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BOTEZ, Virginia; PARASCHIVESCO, Maria; GHEORGHIU, Marina

Study on BCG strain variants resistant to streptomycin, INH and PAS. I. Antigenic properties and virulence in the absence or presence of a treatment with homologous tuberculostatic. Arch. roum. path. exp. microbiol. 23 no.3:609-616 S'63

1. Travail de l'Institut "Dr. I. Cantacuzino"; Service du vaccin BCG, Bucarest.

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

BOTEZ, Virginia
SURNAME, Given Names

Country: Rumania

Academic Degrees: -Dr. -

Affiliation: -not given-

Source: Bucharest, Microbiologia, Parazitologia, Epidemiologia, Vol VI, No 4, Jul-Aug 1961, pp 317-326.

Data: "Enzymatic Control Methods for B.C.G. Vaccine."

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

BOTEZ, Virginia; PARASCHIVESCO, Maria; ANGELESCO, I.; BONCIU, C.; PETROVICI, Monica

Criteria for the evaluation of the activity of BCG vaccine. Significance of the pancreatic lymph nodes. Arch. roum. path. exp. microbiol. 21 no.2:443-448 '62.

1. Service du vaccin BCG -- Institut "Dr. I. Cantacuzino" (for Botez, Paraschivesco). 2. Laboratoire pour le controle d' Etat des serums et vaccins (for Angelesco). 3. Service d'Anatomie Pathologique -- Inst. "Dr. I. Cantacuzino" (for Bonciu, Petrovici).
(BCG VACCINATION) (PANCREAS) (LYMPH NODES)

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

BONCIU, C.; DIMITRIU, Ofelia; BOTEZ, Virginia; ANGELESCO, I.; OLARU, A.; POENARU, Elena; STANICA, Ecaterina; OLINICI, N.; PETROVICI, Monica; POP, Alexandrina

Contributions to the study of splenic hyalinosis and of its influence on immunity reactions. Arch. Roum. path. exp. [redacted] 22 no.1:69-91 1963.

(GUINEA PIGS) (SPLEEN) (DISEASE)
(AMYLOIDOSIS) (ANTIGEN-ANTIBODY REACTIONS)
(IMMUNE SERUMS)

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

PODHORSKY, Eugenia; BOTEZ, Virginia; PARASCHIVESCO, Maria; GHEORGHIU, Marina.

Chemical composition of the strain Mycobacterium tuberculosis var. bovis — BCG and its variants resistant to streptomycin, INH and PAS. Arch. roum. path. exp. microbiol. 23 no.3: 623-630 S'63

1. Travail de l'Institut "Dr.I.Cantacuzino"; Services de Biochimie generale et du vaccin BCG, Bucarest.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

BOTEZ, Virginia, PARASCHIVESCO, Maria; GHEORGHIU, Marina; ANGELESCO, I.; BONCIU, C.; PETROVICI, Monica.

Study on BCG strain variants resistant to streptomycin, INH and PAS. II. Vaccinat properties in the absence or presence of a streatment with the homologous tuberculostatic. Arch. roum. path. exp. microbiol. 22 no.4:951-960 S-D'63

1. Institut "Dr. I.Cantacuzino"; Service du vaccin BCG (for Botez, Paraschivesco; Gheorghiu). 2. Laboratoire Central pour le Controle d'Etat des Serums et des Vaccins (for Angelesco). 3. Institut "Dr. I.Cantacuzino"; Service d'Anatomie Pathologique (for Bonciu, Petrovici).

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

ILIESCO, M.; RADU, I.; BONCIU, C.; PETROVICI, Monica; BOTEZ, Virginia [deceased]; GHEORGHIU, Marina; PARASCHIVESCO, Maria

Research on the role of organ isoimmunization in the infectious process caused by an attenuated Mycobacterium (BCG). Arch. Roum. path. exp. microbiol. 23 no.4:939-950 D '64.

1. Travail de l'Institut "Dr. I. Cantacuzino", Service de Serologie (for Iliesco, Radu), Service d'Anatomie Pathologique (for Bonciu, Petrovici), Service du vaccin BCG et de la TBC experimentale (for Botez, Gheorghiu, Paraschivesco). Submitted June 1, 1964.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

BOTNIAT, P.G., starshiy master.

Improving the chip deflector. Der.i lesokhim.prom. 2 no.6:29 Je '53. (MLRA 6:5)

1. B.-Ozernyy uchastok Pochetskogo khimleskhoza. (Tree tapping)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

BOTEZAT, T.; AVRAM, G.

"Forest Planning in Rumania", P. 344, (REVISTA PADURILOR, Vol. 69, No. 8, August 1954, Bucharest, Rumania)

SO: Monthly List of East European Accessions (EEAL), LC, Vol. 4, No. 3, March 1955, Uncl.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

BOTEZAT-BELYY, K. A., kapitan meditsinskoy sluzhby

Improved distilling apparatus. Voen.-med. zhur. no.12:74 D '61.
(MIRA 15:7)

(DISTILLATION APPARATUS)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

SCHULTZ, T.; BOTEZATU, E.; HALMOGHI, V.; GANEA, N.

Staphylococci role in eczema pathogeny. Microbiologie (Bucur) 6 no.1: 34 Ja-F '61.

1. Sectia dermato-venerologie, Spitalul de adulti, Sibiu.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

BOTEZATU, G.A.

Sudden death from coronary thrombosis during the injection of sergozin. Zdravookhranenie 4 no. 2:57-59 My-Ap '61.

(MIRA 14:4)

1. Iz kafedry sudebnoy meditsiny (zav. - dotsent P.G. Areshev) Kishinevskogo meditsinskogo instituta.

(CORONARY VESSELS—DISEASES) (THROMBOSIS) (SKIODAN)

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

CONSTANTINESCU, Liviu; BOTEZATU, Radu; STEFANESCU, Ruxandra

Applicability of gravimetric prospecting in detecting the oil bearing anticlines in the Pericarpathian region. Pt. 2. Bul Inst Petrol Rum no. 10:9-22 '63.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

CONSTANTINESCU, Liviu; BOTEZATU, Radu

Gravimetric network of Rumania. Pt. 2. Probleme geofiz 2: 7-18 '63.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

ILIE, Mircea; BOTEZATU, Radu

Complex method applied in geology. Pt.1. Dari seama sed 47: 87-96 '59/60 [publ. '62].

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

RUMANIA / Forestry. Forest Economy K-3

Abs Jour: Ref Zhur-Biol., No 13, 1958, 58382

Author : Botezatu T., Sabau V

Inst : Not given

Orig Pub: Rev. padurilor, 1957, 71, No 9, 572-577

Title : The Organization of Economy in Forests Situated in Basins of Rivers Important for Water-Power Production.

Abstract: The problems of economy management in forests of 24 basins of rivers important for water-power production are studied. The methos of main tree fellings and the volume of felled stock are indicated; the thinning rate is determined. Only fellings for sanitary purposes are planned on slopes steeper than 45°. The results of studies conducted in the upper part of the basin of the river Ardzbesh are given. -- A. Yana

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Romania-Petroleum

CIA

8

The geochemistry of the vanadium in the Rumanian People's Republic. II. The series of black bituminous shales, the "mother-rocks" of petroleum in the Eastern Carpathians. Mircea Saval and Cornelia Ilcuș-Dimitrescu (Univ. Iași, Rumania). *Analele Acad. Rep. Populare Române, Sect. Științe Geol., Geograf. Biol. Ser. A*, 2, *Mem.* 30, 23 pp.(1949); cf. *Ann. Sci. Univ. Jassy* 31, Sect. II, 67-77(1948)(French summary).—The black bituminous schists in Sigate, considered by many geologists as the mother-rocks of the Rumanian oil, are divided into 3 series: (I) black slates (slate clay—siliceous to marl-siliceous with some biogenic silica), contg. 2.5-2.7 *L.* V (*L.* designates the V content in the lithosphere = 0.010% V as calcd. by Berg, *Vorkommen und Geochemie der mineralischen Rohstoffe*, 1929, (*C.A.* 26, 572)). This relatively high concn. is favored not only by the presence of Fe^{3+} and Al^{3+} but especially by the absorption of clay. The black shales found in Valea Corlăteni contained: SiO_2 56.25, TiO_2 0.75, Al_2O_3 14.88, total Fe_2O_3 4.54, CaO 3.19, MgO 0.19%, *L.* = 2.7 (or 0.0442% V). (II) quartz-sand rocks cemented with calciferous or with clay-siliceous materials contain only 0.97-1.4 *L.*. The quartz and the calcite do not seem to favor the presence of V. (III) Red schists (color due to Fe_2O_3), opaque under the microscope and effervescent with dil. HCl, contain: SiO_2 59.13, TiO_2 0.83, Al_2O_3 17.40, Fe_2O_3 8.88, CaO 1.20, MgO 0.08%, V = 0.0499% or 3.1 *L.*. The high content of V is due to the higher concn. of Al_2O_3, Fe, and Ti and possibly to some org. compds. which disappeared in subsequent oxidations. Gerhard Aufleger

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

BOTGROS, V., dr.; SURDAN, C., dr.; MISCA, C., dr.; SORODOC, Gh., dr.

Morbilliform eruption in a case of pararickettsial infection. Microbiologia (Bucur) 10 no.2:157-162 Mr-Ap'65.

1. Lucrare efectuata in Spitalul de boli infectioase "Dr. V. Babes" si Institutul de inframicrobiologie al Academiei Republicii Populare Romine, Bucuresti.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

DRAGANESCU, N.; POPESCU, Gr.; BOTGROS, V.; SARATEANU, D.

Study of a viral microorganism with reticuloendothelial affinity, isolated from a case of meningeal syndrome. Stud. cercet. infra-microbiol. 16 no.1:61-68 '65.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

BOTGROS, V, dr.; TAINDEL, Cl., dr.

Infection with dysentery bacilli with unusual evolution. Med. intern., Bucur 12 no.12:1909-1912 D '60.

1. Lucrare efectuata in Spitalul de contagiosi "Colentina", Sectia a II-a adulti, prof. M.Bals.

(SHIGELLA infection)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

ROMANIA

BOTGROS, V., MD; DOBRESCU, Gh. MD.

"Professor Dr Victor Babes" Hospital for Contagious Diseases (Spitalul de boli contagioase "Prof Dr. Victor Babes") - (for all)

Bucharest, Viata Medicala, No 3, 1 Feb 64, pp 197-200

"Meningitis due to Ps. Pyocyanea Cured by Exclusively Topical Treatment."

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

RUMANIA

BOTGROS, V., Dr.

Hospital for Contagious Diseases No. 2 (Spitalul de boli contagioase nr. 2), Bucharest.

Bucharest, Viata Medicala, No 13, 1 Jul 63, pp 909-910

"On the Treatment of Asthenic Neurosis."

(1)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

Both

FAZAKAS, P. BENEDEK - continued RUMANIA

MD

The Sanepid of the Mures-Hungarian Autonomous Regiune.

Bucharest, Igiena, Revista de Igiena si Sanatate Publica, No 5, Vol XI, Sep-Oct 62, pp 451-455.

"Statistical Importance of the Relationship Between Age and the Incidence of Helminthiasis."

BOTH, MD, The Sanepid of the Mures-Hungarian Autonomous Regiune.

ZSIGMOND, MD, The Sanepid of the Mures-Hungarian Autonomous Regiune.

PROHASKA, MD, The Sanepid of the Mures-Hungarian Autonomous Regiune.

GYONGYOSSY, MD, The Sanepid of the Mures-Hungarian Autonomous Regiune.

JANCSO, MD, The Sanepid of the Mures-Hungarian Autonomous Regiune.

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

BOTH, D.

TECHNOLOGY

Periodicals: METALURGIA SI CONSTRUCTIA DE MASINI. Vol. 10, no. 5, May 1958

BOTH, D. Cold welding of aluminum and copper. p. 430

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 2.
February 1959, Unclass.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

BOTH, D.; FLOREA, Lucia

Contributions to the cold point welding of aluminum plates.
Bul Ştiinţ si Tehn Tim 9 no.1:93-111 Ja-Je '64.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

BOTH, Frantisek

Present tasks of Revolutionary Trade-Union Movement in determining bonuses and work standards. Prace mzda 10 no.3:100-104 Mr '62.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

BOTH, Frantisek

For better cooperation of trade-union organizations with economic agencies. Prace mzda 11 no.3:105-108 Mr '63.

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

BOTH, Frantisek

Importance of remuneration according to work and material interest of workers. Prace mzda 11 no.9:433-435 S'63.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

HETENYI, E.; VARGA, E.; BOTH, Gy.; SZINDELY, A.

Mechanism of the Orbeli's phenomenon. Acta physiol. hung. Suppl. no.6:18-19 1954.

1. Physiologisches und Biochemisches Institut der Medizinischen Universitat, Debrecen.
(NERVE-MUSCLE PREPARATION, physiol.
Orbeli's phenomenon, mechanism)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

BOTH, Gy.; ZSINDELY, A.; ROSDY, B.

The role of phosphorylase and phosphoglucomutase in mobilization and synthesis of glycogen. Acta physiol. hung. Suppl. no.6:82 1954.

1. Biochemisches Institut der Medizinischen Universitat, Debrecen.
(MUTASES
phosphoglucomutase, in synthesis & mobilization of glycogen)
(GLYCOGEN, metab.
synthesis & mobilization, phosphorylase & phosphoglucomutase activity)
(PHOSPHORYLASES
in synthesis and mobilization of glycogen)

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

BOTH, J.

"To Haul At Any Price?", P. 3, (AUTO MOTOR, Vol. 7, No. 21, Nov. 1954, Budapest, Hungary)

SO: Monthly List of East European Accessions (EEAL), LC, Vol. 4, No. 3, March 1955, Uncl.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

BOTH, J.

"An Even Better Truck!", P. 5, (AUTO MOTOR, Vol. 7, No. 21, Nov. 1954, Budapest, Hungary)

SO: Monthly List of East European Accessions (EEAL), LC, Vol. 4, No. 3, March 1955, Uncl.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

BOTH, J.

"Why Do Collective Farms Need No Trucks?", P. 6, (AUTO MOTOR, Vol. 7, No. 21, Nov. 1954, Budapest, Hungary)

SO: Monthly List of East European Accessions (EEAL), LC, Vol. 4, No. 3, March 1955, Uncl.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

BOTH, L.

"Some Questions of Outdoor Lighting", P. 189, (VILLAMOSSAG, Vol. 2, No. 5, May 1954, Budapest, Hungary)

SO: Monthly List of East European Accessions (EEAL), LC, Vol. 4, No. 3, March 1955, Uncl.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

BOTH, Vilmos

Experiences of the centralized transportation at the Szekesfehervar railroad station. Kozleked kozl 19 no.29: 500-502 21 Jl '63.

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

BOTH, Zoltan, okleveles villamosmernok

Electric control installation of coal dressing plants. Bany lap 95 no.8/9:598-602 Ag-S '62.

1. Banyaszati Tervezo Intezet, Budapest.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

BOTH, Zoltan, okleveles villamosmernok

Selection of choke coils for limiting short circuit. Banyaterv no. 12: 27-32 D 61.

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

Botha A.

Cluj, Transylvania. Institutul Politehnic

Lucrari stiintifice (Scientific Works) Cluj, Intreprinderea Poligrafica, 1959. 657 p. Errata slip inserted. No. of copies printed not given. No contributors mentioned.

PURPOSE: This book is intended for mathematicians, physicists, chemists, and civil and mechanical engineers.

COVERAGE: The book consists of 59 papers by Rumanian specialists on problems in science and technology, particularly mathematics, physics, chemistry, machinery, civil and mechanical engineering. Summaries in Russian and French or German are given at the end of each article. Some of the articles are accompanied by references. No personalities are mentioned. At the back of the book there are 23 references, all Rumanian.

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APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

DOMSA, A.; PALFALVI, A.; BOTHA, I.; NICOLAE, V.; COLAN, H.; SANDOR, L.; FILIPESCU, M.; PECULEA, M.; CONSTANTINESCU, V.

Studies on the antifriction materials Fe-graphite and Fe-Cu graphite, Studii cerc metalurgie 7 no.4:441-456 '62.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

Bathe L.

Clay, Pennsylvania. Institute Politechnic

RZMK I BOOK EXPLOITATION RZM/5788

Limited publication (Scientific Works) Clay, Izvestiyakom Politekhnika, 1959.
657 p. Errata slip inserted. No. of copies printed not given. No
contributors mentioned.

PURPOSE: This book is intended for mathematicians, physicists, chemists, and
civil and mechanical engineers.

COVERAGE: The book consists of 59 papers by Russian specialists on problems in
science and technology, particularly mathematics, physics, chemistry,
metallurgy, civil and mechanical engineering. Abstracts in English and
French or German are given at the end of each article. Some of the articles
are accompanied by references. No personalities are mentioned. At the back
of the book there are 23 references, all Russian.

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

DOMSA, A.; BOTHA, L.; PALFALVI, A.; SANDOR, L.

Piston rings made of metal powders. Studii cerc metalurgie 7 no.3: 319-337 '62.

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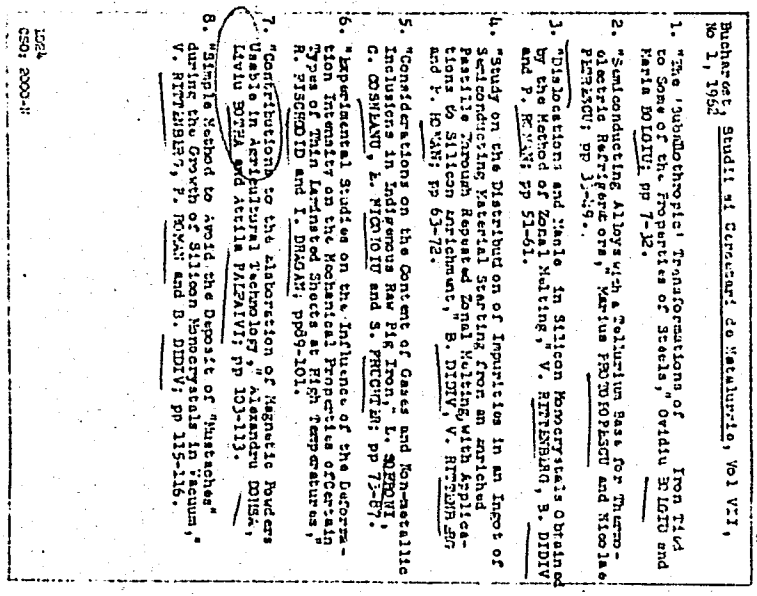
BOTHA, Liviu



Bucharest, Studii si Cercetari de Metalurgie, Vol VII, No 1, 1962

1. "The Submartensitic Transformations of Iron Tin Alloys to Some of the Properties of Steels," Ovidiu BOLOTU and Maria BOLOTU; pp 7-12.
2. "Semiconducting Alloys with a Tellurium Base for Thermoelectric Refrigerators," Marius FRUNTOPRICU and Nicolae PETRICU; pp 33-49.
3. "Dislocations and Twins in Silicon Monocrystals Obtained by the Method of Zonal Melting," V. RITZENBERG, S. DIDIV and P. ROMAN; pp 51-61.
4. "Study on the Distribution of Impurities in an Ingot of Semiconducting Material Starting from an Enriched Pastille Through Repeated Zonal Melting with Applications to Silicon Enrichment," B. DIDIV, V. RITZENBERG and P. ROMAN; pp 63-72.
5. "Considerations on the Content of Gases and Non-metallic Inclusions in Indigenous Raw Pig Iron," L. SUFRONI, C. COSMOVICI, L. MICULIU and S. PRICOPIE; pp 73-87.
6. "Experimental Studies on the Influence of the Deformation Intensity on the Mechanical Properties of Certain Types of Thin Laminated Sheets at High Temperatures," R. PISCOIU and I. DRAGAN; pp89-101.
7. "Contributions to the Elaboration of Magnetic Powders Usable in Agricultural Technology," Alexandru COMSA, Liviu BOTHA and Attila FAZAVI; pp 103-113.
8. "Simple Method to Avoid the Deposit of 'Mustaches' during the Growth of Silicon Monocrystals in Vacuum," V. RITZENBERG, P. ROMAN and B. DIDIV; pp 115-116.

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

BOTHA, L.

DOMSA, A. RUMANIA

No degree given

No affiliation given

Bucharest, Studii si Cercetari de Metalurgie, No 3, 1962, pp 319-327.

"Piston Segments Made of Metallic Powders."

Co-authors:

BOTHA, L.

PALFALVI, A.

SANDOR, L.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

DOMSA, Alexandru; BOTHA, Liviu; PALFALVI, Attila

Preparation of magnetic powders usable in agriculture.
Studii cerc metalurgie 7 no.1:103-113 '62.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

DOMSA, Alexandru, prof. ing.; BOTHA, Liviu, ing.; PALFALVI, Attila, ing.

Preparation of magnetic powders usable in agriculture. Metalurgia constr mas 14 no. 2:104-110 F'62.

1. Institutul politehnic, Cluj.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

DOMSA, A.; BOTHA, L.; PALFALVI, A.

On the decarbonization and simultaneous reduction of some iron powders. Bul stiint polit Cluj no.5:235-241 '62.

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

DOMSA, A.; PALFALVI, A.; BOTHA, L.; NICOLAE, V.; COLAN, H.; SANDOR, L.; FILIPESCU, M.; PECULEA, M.; CONSTANTINESCU, V.

Contributions to elaboration of the Fe-graphite and Fe-Cu-graphite antifriction materials. Bul stiint polit Cluj no.5:243-259 '62.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

DOMSA, A.; SZABO, L.; SPIRCHEZ, Z.; PALFALVI, A.; NICOLAE, V.; BOTHA, L.

Contributions to the study and granulometric dosing of powders in the field of sorting sieves. Bul stiint polit Cluj 6:235-244 '63.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

COLAN,H.; DOMSA,A.; PALFALVI,A.; NICOLAE,V.; BOTHA,L.

Research on the molybdenum protection by silicification.
Studii cerc metalurgie 8 no.4:397-407 '63.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

ROMANIA

COLAN, H.; DOMSA, A.; PALFALVI, A.; NICOLAE, V.; BOTHA, L.

Bucharest, Studii si Cercetari de Metalurgie, No 4, 1963, pp 397-407

"Research Concerning the Protection of Molybdenum through Silicon Cementing."

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

DOMSA, A.; SZABO, L.; SPIRCHEZ, Z.; PALFALVI, A.; NICOLAE, V.; BOTHA, L.; BERCOVITS, S.

Contributions to the manufacture of draw plates made of cobalt and tungsten carbide hard alloy. Bul stiint polit Cluj 6:225-233 '63.

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

ACCESSION NR: AP4042127 R/0017/64/000/004/0156/0158

AUTHOR: Domsa, A.; Palfalvi, A.; Filipescu, M.; Nicolae, V.; Botha, L.

TITLE: Pressing and sintering properties of molybdenum powders

SOURCE: Metalurgia, no. 4, 1964, 156-158

TOPIC TAGS: metallurgical pressing, sintering, arc-cast, molybdenum electrode, powder metallurgy

ABSTRACT: The article deals with pressing and sintering operations of molybdenum powders made from indigenous raw materials. Two methods are used to obtain compact molybdenum: one in which the sintered semifinished products are forged and, possibly, drawn, and one in which sintered molybdenum powder electrodes are melted in vacuum (also called the arc-cast method). As a result of the experiments made, it appears that molybdenum powder made from indigenous raw material has favorable pressing and sintering properties and can be used in powder metallurgy. Orig. art. has: 11 figures and 1 table.

ASSOCIATION: None

Card 1/2

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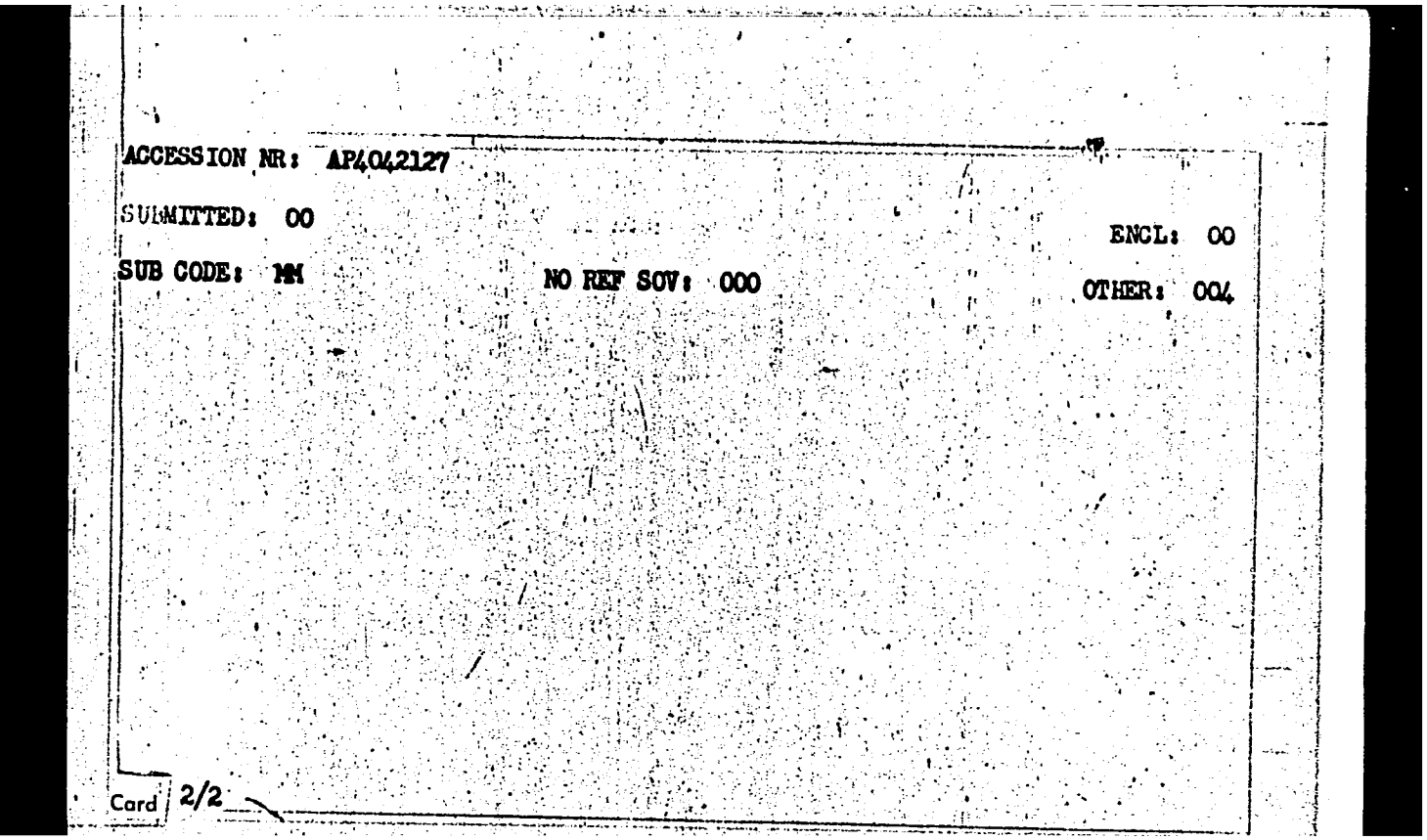

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

ACCESSION NR: AP4042128 R/0017/64/000/004/0158/0162

AUTHOR: Colan, A., Domsa, A., Palfalvi, A., Nicolae, V., Botha, L.

TITLE: Research on the protection of molybdenum through silicification

SOURCE: Metalurgia, no. 4, 1964, 158-162

TOPIC TAGS: Silicification, silicide, silicide layer, molybdenum oxidation, molybdenum protection

ABSTRACT: The article describes various methods tested to protect molybdenum from oxidation. Modern techniques require materials for over 1,000°C., while molybdenum oxidizes beyond tolerance limits at 500° C. It must therefore be effectively protected before it can be used at high temperatures. Several methods were proposed, but only some are valid. Results are presented for methods used to silicify molybdenum, especially in the $SiCl_4$ and H_2 gaseous phase. Most effective protection is with silicide, especially disilicide. Although silicide layers are brittle when cold, they become far less brittle at high temperatures and they retain their mechanical resistence. They may therefore be used for the protection of heating elements for electric ovens and for that of parts used in high temperature furnaces, turbines, rockets, etc. Orig. art. has: 9 figures and

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

DOMSA, A. ; PALFALVI, A.; FILIPESCU, Mihaela; NICOLAE, V.; BOTHA, L.

Pressing and sinterizing properties of I.P.C. molybdenum powders. Bul stiint polit Cluj no.7:213-221 '64.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

COLAN, H.; DOMSA, A.; PALFALVI, A.; NICOLAE, V.; BOTHA, L.

Research on molybdenum protection by siliconizing.
Bul stiint polit Cluj no.7:237-247 '64.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

DOMSA, A.; SANDOR, L.; BOTHA, L.; NICOLAE, V.; SABADEANU, D.; COLAN, H.; PALFALVI, A.

Study on the processing of sintered antifriction materials lubricated with MoS_2 at high temperatures. Bul stiint polit Cluj no.7:249-25[illegible] '64.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

BOTHE, Walter

Some good advice for young physicists. Fiz szemle 9 no.4:126 Ap '59.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

ACC NR: AP6029642 SOURCE CODE: PO/0036/66/000/006/0147/0148

AUTHOR: Bothe-Klosowska, Danuta (Master engineer)

ORG: Szczecin Polytechnic School (Politechnika Szczecinska)

TITLE: Cracking of welds in joints of 1H18N9T steel

SOURCE: Przeglad spawalnictwa, no. 6, 1966, 147-148

TOPIC TAGS: weld defect, gas welding, resistance welding

ABSTRACT: A piping assembly made of 1H18N9T steel pipes for distributing brine containing 6% salt at room temperature and at 100°C at 3 atm was designed. The pipes were welded by three methods: (1) electrically with ES18-8-2 electrodes, (2) electrically with OKR6 electrodes of the Esab Co., and (3) using gas with a wire 4 mm in diameter, obtained after removing the envelope from the ES18-8-2 electrode. The weld joints were subjected to the following tests: (a) external inspection, (b) tests revealing cracks, (c) tensile tests, and (d) metallographic analysis. On the basis of the results, recommendations are given for avoiding the cracking and defects observed in the weld joints.

SUB CODE: 11/ SUBM DATE: none

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

BOTHE-KLOSOWSKA, Danuta, mgr. inz.; KLOSOWSKI, Stefan, dr. inz.

Effect of the welding current intensity upon the fusion depth in hard facing. Przegl spawaln 14 no.4:92-97 Ap '62.

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

BOTHE-KLOSOWSKA, Danuta, mgr., inz.; KLOSOWSKI, Stefan, dr., inz.

Second International Colloquy in Weimar "Welding metallurgy and metallurgy of nonferrous metals". Przegl spaw 13 no.9:250-251 '61.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

CHIRILEI, H.; STEFAN, V.; DOROBANTU, N.; BOTI, D.; CURTICAPEANU, Georgeta; BOTEA, M.

Influence of various fertilizers on the phosphorus absorption and physiological processes in sugar beet plants, as studied by the method of radioactive isotopes. Studii cerc biol veget 14 no.3:277-286 '62.

1. Comunicare prezentata de N. Salageanu, membru corespondent al Academiei R.P.R., membru al Comitetului de redactie si redactor responsabil, "Studii si cercetari de biologie; Seria biologie vegetala."

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

BOTIK, J.

Experience with accelerated finishing work in housing construction in Lazy, Gottwaldov. p. 222. POZEMNI STAVBY. (Ministerstvo stavebnictvi) Praha. Vol. 3, no. 6, June 1955.

SOURCE: East European Accessions List (EEAL), Library of Congress, Vol. 4, No. 12, December 1955.

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

BOTILA, T., cercetator

Characteristics of junctions p - n in semiconductors. Gaz mat fiz 14 no.10:524-533 O '62.

1. Institutul de fizica, Bucuresti.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

GRIGOROVICI, R.; DEVENYI, A.; BOTILA, T.

Electric conductivity and the Hall effect in the aluminum layers evaporated in vacuum on the cooled supports. Studii cerc fiz 13 no.4:667-673 '62.

1. Institutul de fizica, Bucuresti.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

DEVENYI, A.; RUSU, C.; BOTILA, T.

Determination of crystillite size by electron diffraction in the evaporated strata of beryllium. Studii cerc fiz 14 no.6: 789-796 '63.

1. Institutul de fizica, Bucuresti.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

BOTIN, M.A. (selo Bol'shoye, Yaroslavskoy obl.)

Simple methods. Zasheh. rast. ot vred. i bol. 7 no.12:49 D '62. (MIRA 16:7)

(Clubroot)

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

SARATEANU, D.; BILLER, Sigrid; PRAHOVEANU, Elena; BOTIS, S.; GHEORGHIU, V.; BABOS, Aurelia.

Study of virus-host cell relations in vitro by determination of some enzyme activities. Stud. cercet. inframicrobiol. 16 no.1: 17-25 '65.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

GRUIA, Mignon; BRANESCU, Lucia; BOTIS, S.; BILLER, Sigrid; SAMUEL, I.; Asist. tehnic MURGU, Maria

Infectiousness of ribonucleic acid extracted from ECHO 7 and ECHO 9 viruses. Stud. cercet. inframicrobiol. 16 no.1:47-51 '65.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

CAJAL, N.; SARATEANU, D.; BABA, Constanta; BABOS, Aurelia; OPRESCU, Elena; BOTIS, S.; GHEORGHIU, V.

Research on the relations between maternal serum antibodies and receptivity in vitro of attenuated polioviruses by human embryonal cells. Stud. cercet. inframicrobiol. 16 no.2:101-108 '65.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

SARATEANU, D.; BABA, Constanta; GHEORGHIU, V.; BOTIS, S.; BABOS, Aurelia; OPRESCU, Elena

Research on the levels of attenuated poliomyelitis viruses as a function of the age of human embryonal cell cultures. Stud. cercet. inframicrobiol. 16 no.2:109-117 '65.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

BOTIS, S.

Importance of genetic markers in the characterization of various viruses (poliomyelitic, influenzal). Stud. cercet. inframicrobiol. 16 no.2:183-189 '65.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

BOTMISTROV, M.N. [Rotmistrov, M.M.]; KULIK, G.V. [Kulyk, H.V.]; PASHKOVSKAYA, D.F. [Pashkovs'ka, D.F.]

Anilide of 3,5-dichlorosalicylic acid and 2,2'-aminophenyl disulfide, new antimicrobic compounds. Mikrobiol. zhur. 27 no.4:51-57 '65. (MIRA 18:8)

1. Kiyevskiy gosudarstvennyy universitet.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

BLOTSKIY, N.N., inzh.; BOTNINNIK, M.M., doktor tekhn.nauk; SHAKARYAN, Yu.G., kand.tekhn.nauk

Regulation of the angular velocity short-circuited asynchronous motors. Elektrotekhnika 35 no.12:16-19 D '64.

(MIRA 18:4)

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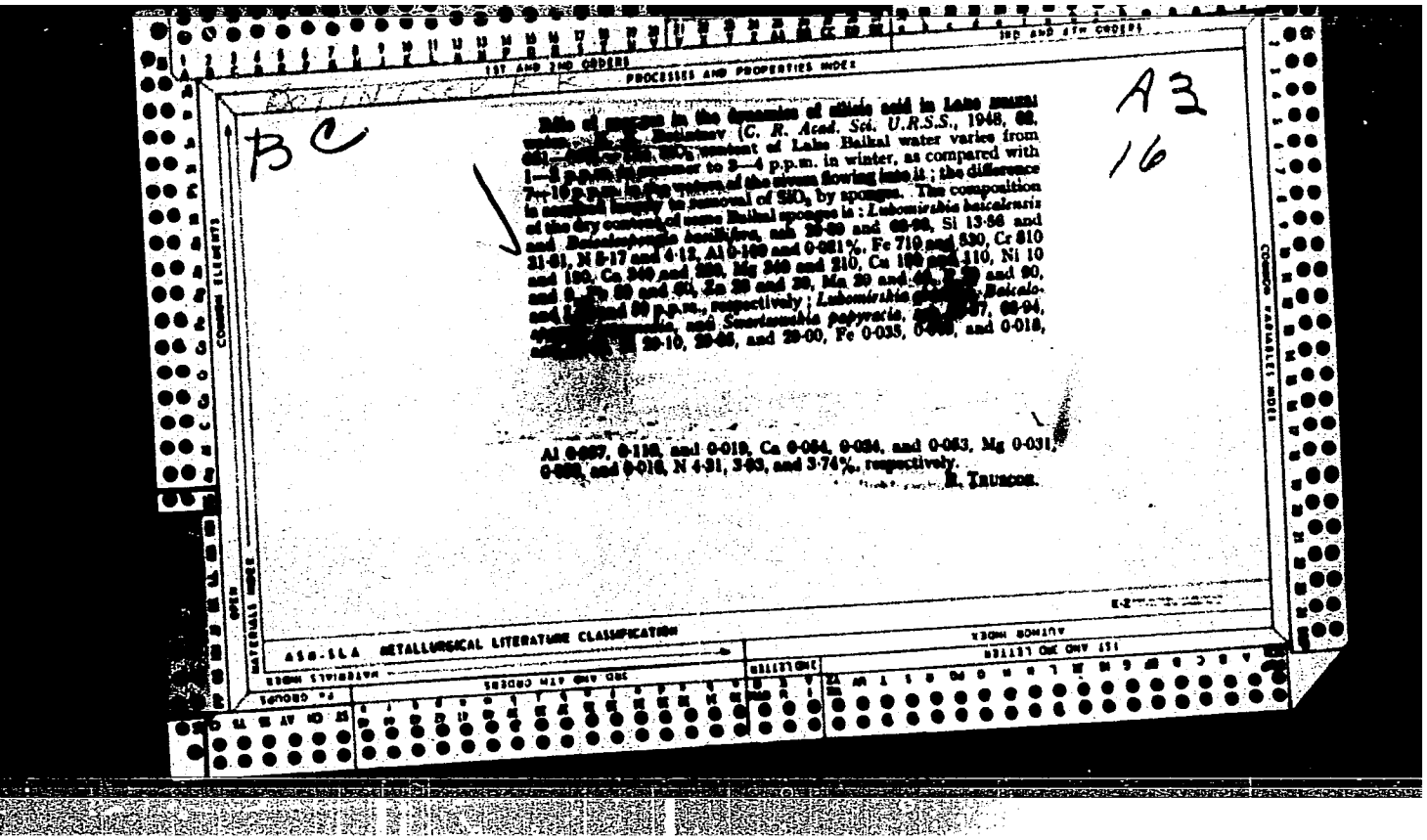

PROCESSES AND PROPERTIES INDEX

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A3
16

Rate of progress in the dynamics of silicic acid in Lake [illegible]. [illegible] (*C. R. Acad. Sci. U.R.S.S.*, 1948, 60, [illegible]). The SiO_2 content of Lake Baikal water varies from 1—2 p.p.m. in summer to 3—4 p.p.m. in winter, as compared with 7—10 p.p.m. in the waters of the rivers flowing into it; the difference is considered largely to be removal of SiO_2 by sponges. The composition of the dry content of some Baikal sponges is: *Lubomirskia baicalensis* and *Baicalospongia intermedia*, ash 28-60 and 60-66, Si 13-86 and 31-61, N 5-17 and 6-12, Al 0-109 and 0-081%, Fe 710 and 330, Cr 810 and 100, Ca 940 and 320, Mg 240 and 210, Cu 100 and 110, Ni 10 and 8, Ti 80 and 60, Zn 30 and 20, Mn 20 and 60, V 30 and 90, and [illegible] and 50 p.p.m., respectively; *Lubomirskia* [illegible] 7, 60-04, *Baicalospongia* and *Swartschewskia papyracea*, [illegible] 20-10, 20-66, and 20-00, Fe 0-035, 0-[illegible], and 0-018, Al 0-007, 0-110, and 0-019, Ca 0-054, 0-034, and 0-063, Mg 0-031, 0-020, and 0-016, N 4-91, 3-03, and 3-74%, respectively.

R. Truscon.

A58-61A METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

BOTKA, I.

Index Aeronautical
September 1953
Vol. 4

152/99 621.833

Interference of General Involute Gearing (In English)

Acta tech. hung. 3(1/2),99-120 1952 Hungary

I. Botka

Ind Eng

(1)

Although it would appear that the upper limit of increase in the pressure angle of meshed gears is reached when the contact ratio is down to unity, this is only true for a certain number of teeth, above which the effect of interference constitutes the limit. This is investigated for rack or worm, hobbed gears and those cut with planer tools. For example because of this and "latent" top displacement, an involute profile of 20 deg., cut by a disc of pressure angle 15 deg., will have an undercut limiting number of teeth in the elementary gear which will be less than 30 and above 17.

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BOTKA, Imre

Cogwheel dimensioning for compensated contact temperature.
Gep 16 no.11:425-430 N '64.

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BOTKA, Tibor

Determination of the optimum composition of the hide import.
Bor cipo 13 no.5:143-147 S '63.

1. Konnyuipari Miniszterium.

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BOTKA, Tivadar

Economical questions in using graded, broad-leaved sawn goods in the furniture industry. Faipar 10 no.12:367-370 D '60.

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BOTKA, Z.

Simplification of planning. p. 204.
(FAIPAR. Vol. 6, no. 8, Aug. 1956. Hungary)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 6, June 1957. Uncl.

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BOTKA, Zoltan; DERI, Richard

Experiences with the producer's price system in the furniture industry during the past half year. Faipar 11 no.12:376-381 D '59.

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

LEVIN, I.M., inzh.; BOTKACHIK, I.A., inzh.

Welded shafts of flue gas pumps. Energomashinostroenie 6 no.2:43 F '60. (MIRA 13:5)
(Boilers)

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LEVIN, Izrail' Moiseyevich; BOTKACHIK, Iosif Azar'yevich; RODDATIS, K.F., kand. tekhn. nauk; IVYANSKIY, S.I., kand. tekhn. nauk; BRAUDE, I.Ye., inzh.; GOTGEL'F, I.M., kand. tekhn. nauk, retsenzent; POSTOLOVSKIY, S.N., inzh., retsenzent; KOMAROV, A.M., inzh.; LARIONOV, G.Ye., tekhn. red.

[Flue exhaust and ventilating fans for high capacity electric power plants] Dymososy i ventiliatory moshchnykh elektrostantsii. Moskva, Gos. energ. izd-vo, 1962. 183 p. (MIRA 15:8)
(Electric power plants--Ventilation)

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

AUTHORS: Botkin, P.P. ; Somov, V.A. 90-58-3-8/9

TITLE: Testing a Multipurpose Motor Fuel Additive (Ispytaniya mnogofunktsional'nogy prisadki k motornomu toplivu)

PERIODICAL: Energeticheskiy byulleten', 1958, Nr 3, pp 25-29 (USSR)

ABSTRACT: In 1956, the TsNIIMF carried out a series of tests to determine the effect of a multipurpose additive on high sulfur content fuels. The results of the experiments are shown in tables 1-5. It was found that the additive reduces the scale deposits on the cylinder and piston heads (in this case by 20-40%) and thereby reduces wear on the cylinder-piston assembly. The crank-case oil deteriorates more slowly. The additive had no great effect on the ignitability of the fuel in a high-speed diesel but was conductive to fuller combustion. Because of its ready solubility, it requires no special mixing technique but can simply be added when the tank is being filled up. There are 5 tables and 2 graphs.

1. Fuels--Additives--Test methods 2. Fuels--Additives--Test results

Card 1/1

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BOTKIN, P.P., inzh.; SOMOV, V.A., kand.tekhn.nauk

Using additives in heavy fuels of marine diesel engines. (MIRA 11:6)
Sudostroenie 24 no.5:66-67 My '58.
(Diesel fuels) (Marine diesel engines)

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

BOTKIN, P.P., insh.

Protecting parts of diesel engines operated with heavy and sulfurous fuels. Vest.mash. 38 no.10:81-82 O '58. (MIRA 11:11)
(Diesel fuels)

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

BOTKIN, Petr Petrovich; SOMOV, Vitaliy Aleksandrovich; PLATONOV, R.K., nauchnyy red.; SHAURAK, Ye.N., red.; SHISHKOVA, L.M., tekhn.red.

[Utilization of heavy oils in marine diesel engines] Primenenie tiazhelykh topliv v sudovykh dizeliakh. Leningrad, Gos.soiuznoe izd-vo sudostr.promyshl., 1959. 148 p. (MIRA 12:10)
(Marine diesel engines--Fuel)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

BOTKIN, P.P., inzh.

Possibility of using motor fuel in diesels manufactured by the K. Liebknecht Plant (German Democratic Republic). Rech.transp. 18 no.2: 24-26 F '59. (MIRA 12:4)
(Magdeburg--Marine diesel engines--Fuel consumption)

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

BOTKIN, P.P., inzh.; SOMOV, V.A., kand. tekhn. nauk

Some structural characteristics of ship heating systems with diesels operating on heavy fuel oil. Sudostroenie 25 no.7:58-59, 1959 (MIRA 12:12)

(Germany, West--Marine diesel engines)

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

BOTKIN, P. P. Cand Tech Sci — (diss) "Investigation of the Operation of Boat Diesels on Sulfur Diesel and Motor Fuels Containing Multifunctional Additives," Leningrad, 1960, 12 pp, 220 copies (Leningrad Institute of Water Transport) (KL, 47/60, 101)

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

S/094/61/000/004/003/003
E194/E235

AUTHOR: Botkin, P. P.

TITLE: Vanadium Corrosion of Diesel Engine Parts

PERIODICAL: Promyshlennaya energetika, 1961, No. 4, pp. 25-27

TEXT: When diesel engines operate on high-sulphur fuel corrosive wear is attributed to sulphur compounds. In fact vanadium compounds which are present in almost all residual fuels contribute to the corrosion. Soviet technical literature has paid considerable attention to vanadium corrosion of gas turbine parts but has little to say of diesels. This is probably because few diesels operate on residual fuel and most slow speed marine engines use Baku fuel of low sulphur content. However, the situation will change and high sulphur fuels will be used. Foreign experience shows that vanadium compounds in the fuel cause corrosive wear of injection jets, combustion chambers pistons and valves. German and English experience of this kind is then described. The present author has also observed vanadium corrosion on the exhaust valves and seatings of a diesel Type 4r17.5/24 during the testing of anti-sulphur-additives in engine fuel which contained 2.6% sulphur and

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E194/E235

Vanadium Corrosion of Diesel Engine Parts

some vanadium. Although the anti-sulphur additive was very effective in reducing many kinds of wear due to sulphur, after 50 hours operation exhaust valve corrosion was experienced. It was attributed to vanadium. A chemical mechanism of vanadium corrosion is suggested. One of the reactions that can occur in the presence of sulphur in the fuel is: $V_2O_4 + 2SO_2 + O_2 \rightarrow 2VOSO_4$, which is followed by the decomposition: $2VOSO_4 \rightarrow V_2O_5 + O_2 + SO_3$. Combustion products containing sulphur are of high dew point and so the SO_3 forms sulphuric acid in low temperature zones of the engine. The corrosion is much more severe than gas corrosion due to SO_2. In addition, there is of course the direct vanadium corrosion: $Fe + V_2O_5 \rightarrow FeO + V_2O_4$. Most metallic alloys, ferrous and nickel, are subject to this corrosion and resistance to it depends mainly on the presence of a surface layer containing chromium. Any abrasive wear of this surface layer is followed by vanadium corrosion. Vanadium corrosion may be reduced by adding MgO or ZnO to the fuel but the amount of additive to be used is not stated. Compounds of vanadium and sodium also present danger of corrosion.

Card 2/3

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S/094/61/000/004/003/003
E194/E235

Vanadium Corrosion of Diesel Engine Parts

Fuel oil additives now being developed are mainly intended to prevent sulphur corrosion but obviously they should also be designed to reduce corrosion by vanadium pentoxide. There are 3 figures and 5 references: 1 Soviet and 4 non-Soviet.

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38537

S/114/62/000/006/003/006
E075/E136

11.0170

AUTHOR: Botkin, P.P., Candidate of Technical Sciences

TITLE: Additives to fuels - effective means of increasing motor resources of power plants

PERIODICAL: Energomashinostroyeniye, no.6, 1962, 26-28

TEXT: In 1957 the first multifunctional fuel additives manufactured by VNII NP (Professor N.A. Butkov's laboratory) were introduced to protect diesel engines from the corrosive action of sulphur compounds in liquid and gaseous phases. Additive ВНИИ НП-102 (VNII NP-102) was designed for boiler fuels, ВНИИ НП-111 (VNII NP-111) for diesel fuels, and ВНИИ НП-101 (VNII NP-101) for motor fuels). The raw materials for the manufacture of the additives are: gas oil from catalytic cracking, metal naphthenates, tricresylphosphate, nitrobenzene, orthodichlorobenzene and lanolin. The nature of the additives is as follows: VNII NP-102, homologues of naphthalene; VNII NP-101, Cu, Ba, P; and VNII NP-111, P, Zn, Cl. The concentrations of the additives used in the fuels are 0.2, 0.3-0.5, and 0.7-0.8% respectively. Testing of the additive VNII NP-102

Card 1/2

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Additives to fuels - effective ... S/114/62/000/006/003/006
E075/E136

in marine boiler plants and in locomotives, using boiler fuels with up to 3.5% S, gave a 35-60% decrease in deposit formation. The deposits become less tacky and more detachable from the surfaces. The coking of fuel injectors was also lowered. The additive prevents the formation of sludge in fuel storage tanks and disperses any existing sludge. Additive VNII NP-101 gave similar results with the motor fuels and was also effective for diesel fuels where it decreased ring-liner wear by 30%. The additive (1%) reduced the mercaptan content of the fuel from 0.21 to 0.005%. It noticeably promoted complete combustion of the fuel, giving an increase in CO_2 and decrease of smoke in the exhaust gases. Additive VNII NP-111 did not appreciably reduce the wear of piston rings, but it reduced liner wear (11-60%) and deposit formation. The additive was improved by the addition of barium naphthenate which gave 6-40% reduction in the top-ring wear. The main difficulty in the use of the additives is that they are not easy to dissolve in the fuels. They also tend to precipitate after more than 30 days' storage.
There are 2 tables.
Card 2/2

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KHANDOV, Zosima Aleksandrovich; YERMAKOV, Vasiliy Fedorovich; BOTKIN, P.P., kand. tekhn. nauk, retsenzent; AL'TMAN, I.R., inzh., retsenzent; ZAKHARENKO, B.A., nauchn. red.; VASIL'YEVA, N.N., red.; KRYAKOVA, D.M., tekhn. red.

[Marine diesel engine operations with a two-stage fuel feed] Rabota sudovogo dizelia s dvukhfaznoi podachei topliva. Leningrad, Sudpromgiz, 1963. 82 p. (MIRA 16:12)
(Marine diesel engines)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

SAMOV, Vitaliy Aleksandrovich; BOTKIN, Petr Petrovich; KHANDOV, Z.A., prof., doktor tekhn. nauk, retsenzent; ANDREYEV, P.F., kand. khim. nauk, retsenzent; ZAKHARENKO, B.A., kand.tekhn.nauk, nauchnyy red.; VLASOVA, Z.V., red.; KRYAKOVA, D.M., tekhn.red.

[Fuel for diesel transportation engines]Toplivo dlia transportnykh dizelei. Leningrad, Sudpromgiz, 1963. 355 p. (MIRA 16:4)

(Diesel fuels)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

BOTKIN, P.P.

Additives to sulfurous fuels for improving the performance of diesel engines. Inform. sbor. TSNIIMG no.44 Tekh. ekspl. mor. flota no.2:24-35 '59. (MIRA 16:10)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206610020-4

BOTKIN, P., inzhener-mekhanik, kand. tekhn. nauk

Bibliography. Mor. flot 25 no.9:45 S '65. (MIRA 18:9)

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